ABSTRACT OF THE DISCLOSURE

Techniques for predictive predownload of templates with delta caching are used to substantially minimize the time needed to send objects from a server to a client. A template builder generates templates for each web page. A prediction engine maintains a prediction map, responsive to web pages and other objects, the objects including the templates for web pages. The prediction engine selects objects likely to be requested by the client making the particular request, such as a next page or an object referenced by a page. A delta encoder for a page determines a delta between a current version of that page, and a template for that page, and encodes the page for delivery to the client using template information and delta information. The client is able to present the web page in response to the template information (which is likely already present at the client) and the delta information.